VELUX®

KLI 110

Instructions for control keypad

VAS 452423-2009-12

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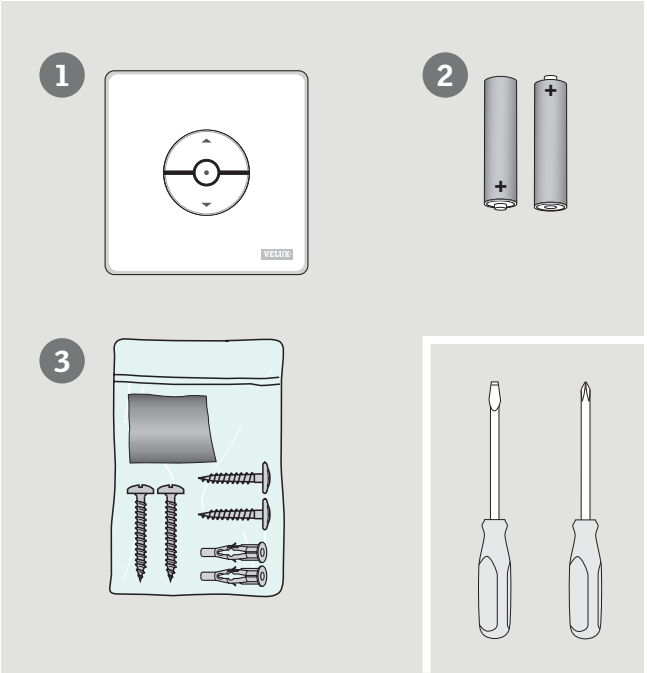


Contents of packaging

1 : Control keypad
2 : Two batteries (type AAA, 1.5 V)
3 : Screws, wall anchors and double-sided adhesive tape

IMPORTANT INFORMATION

WARNING – TO REDUCE THE RISK OF SEVERE INJURY OR DEATH:

Read instructions carefully before installing and operating. Please keep instructions for future reference and hand them over to any new user.

Safety

- Never let children play with the control keypad. The keypad should be fitted out of reach of children at a minimum height of 5 feet (1.5 m).
- The product must not be put into operation until it has been fitted according to these instructions.
- Before operating, ensure that the product can be operated without risk of damage to property or injury to people or animals.
- This product has been designed for use with genuine VELUX products.
- The control keypad has a Class 2 Low Voltage output (3 V d.c.).
- FCC ID: XSG863878 and IC ID: 8642A-863878: Remote control
  This device complies with part 15 of the FCC and RSS-210 of the IC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Installation

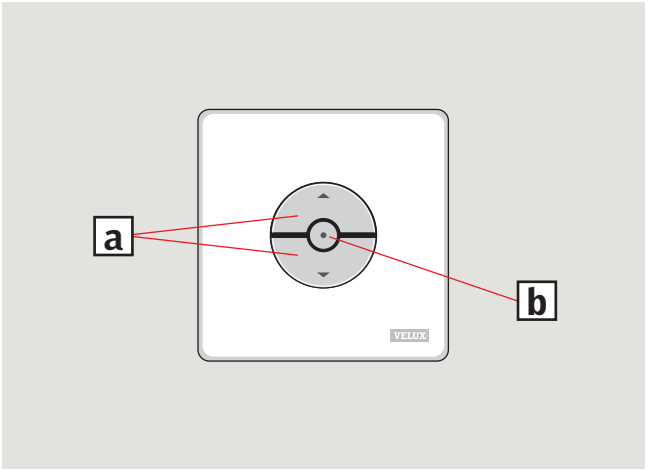
- The control keypad is for indoor use only.
- Installation in rooms with a high level of humidity and with hidden wiring must comply with relevant regulations (contact a qualified electrician if necessary).
- Before fixing the control keypad to the wall, verify that it can operate the product in question from the proposed position.
- The control keypad should be fixed at a position where the product to be operated is within sight.

Product

- The control keypad has a built-in RF (radio frequency) unit and will not be operative if placed in a metal cabinet.
- Electrical products must be disposed of in conformity with all local codes, ordinances, rules and regulations for electronic waste and not with household waste.
- Used batteries have to be disposed of in conformity with the relevant environmental regulations and ordinances.
- The packaging can be disposed of with usual household waste.
- Radio frequency band: 2.4 GHz.
- Radio frequency range: 110 yards (100 m) free field. Depending on building construction, the indoor range is approx 30 feet (10 m) However, constructions with reinforced concrete, metal ceilings and plaster walls with steel members may reduce the range.

Maintenance and service

- The product requires a minimal amount of maintenance. The surface may be cleaned with a soft, damp cloth using a small amout of household cleaner diluted in water.
- If you have any technical questions, please contact VELUX.



Operation

Keys for operating the product a

OPEN/UP or CLOSE/DOWN

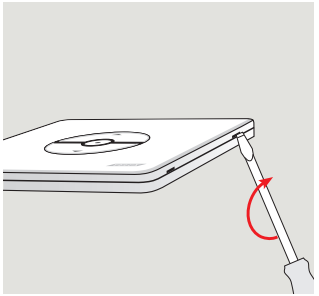
Short key pressure: Product will travel to maximum top or bottom position.

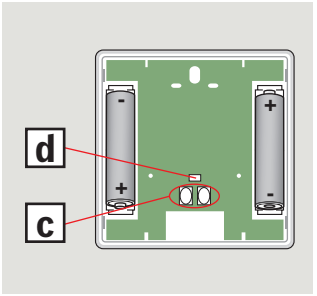
Long key pressure: Product will travel only until the key is released.

Note: If several electrical products are connected to a control unit KLC 500, only one of the products (random) can be operated in this way.

Stop key b

Product stops.





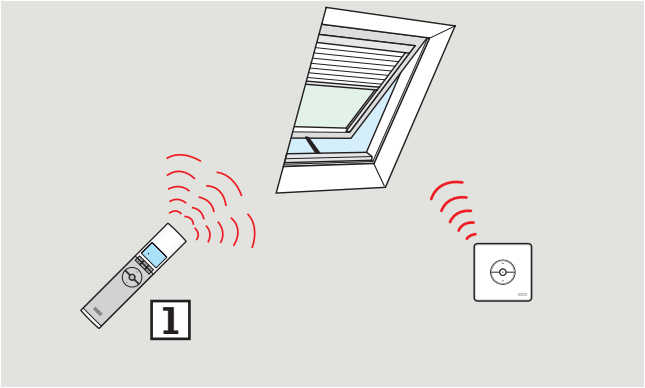
Set-up and programming

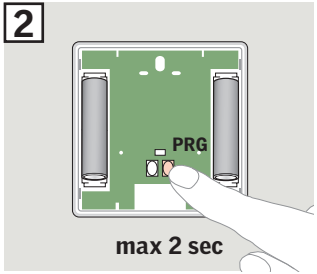
Note: Do not fix control keypad KLI 110 to the wall until set-up and programming have been completed and it has been verified that the relevant products can be operated from the proposed position.

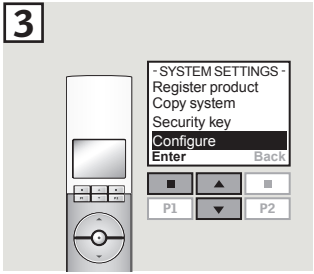
Remove front section and insert the two batteries supplied as shown. On the back of the front section, the keypad is equipped with two buttons c, KEY and PRG, and a light-emitting diode (LED) d to be used for set-up and programming. During set-up and programming, the keypad must be within RF range of the products to be operated.

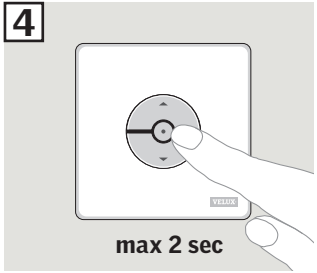
Security key

Each product has a security key ensuring that external control devices cannot communicate with your system. A common security key is created automatically during the registration process ensuring that all products in the system share the same security key.









Configuring control keypad KLI 110 in addition to existing remote control KLR 100 (supplied with electrical skylight)

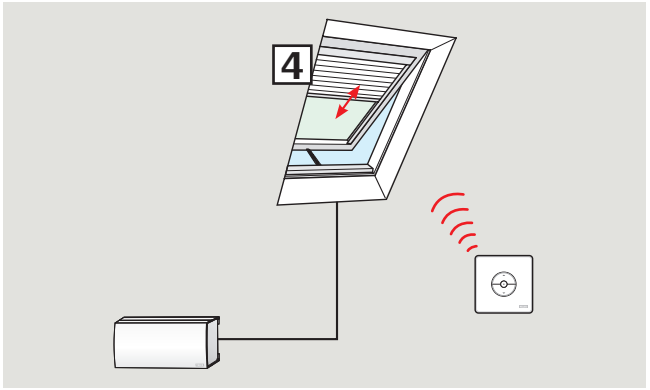
1 Copy and transmit system from remote control KLR 100 as described in the user manual for KLR 100.

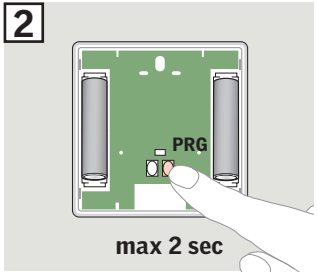
2 Press PRG button on control keypad KLI 110 for max 2 seconds to receive system in the keypad. Reception can take up to 2 minutes. LED flashes green slowly.

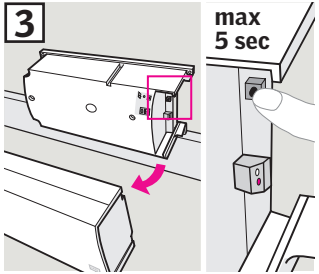
3 When LED in keypad flashes green quickly, select and transmit functions of remote control KLR 100:
- Select products for configuration by choosing:
Menu → System Settings → Configure
- Select all relevant products. The individual product can be identified by pressing on the remote control for a short period of time. This will activate the product briefly.

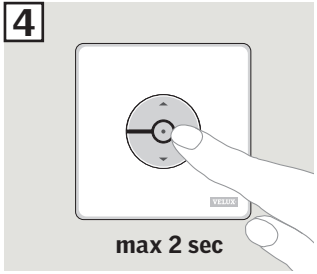
4 Configure selected products in the keypad by pressing any operation key for max 2 seconds. LED flashes green slowly for a few seconds.

When configuration has been completed, LED is green for 4 seconds.
If configuration has failed, LED is red for four seconds.









Configuring control keypad KLI 110 to control electrical products connected to control unit KLC 500

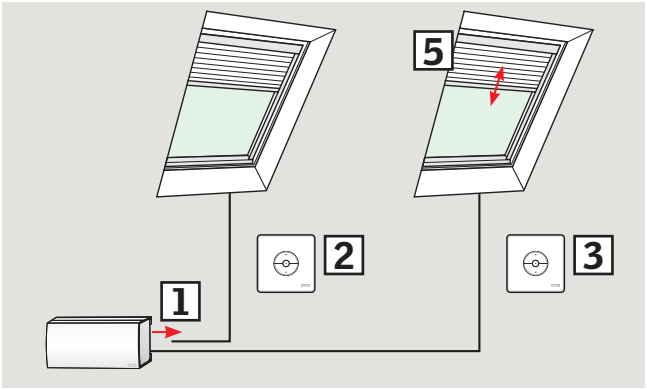
1 Disconnect all products that are not to be controlled by control keypad KLI 110 from control unit KLC 500.
Note: In case of new electrical products, complete item 2 within 10 minutes from reconnection.

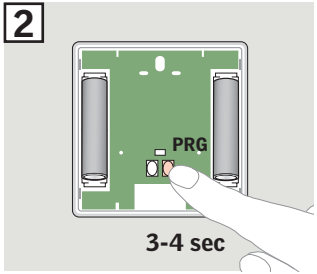
2 Transmit system from keypad by pressing the PRG button for max 2 seconds. Transmission can take up to 2 minutes. LED flashes green slowly.

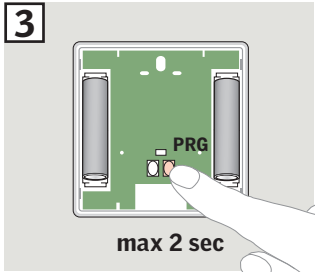
3 Remove cover from control unit. When LED in keypad flashes green quickly, press test button in control unit for max 5 seconds to receive system from keypad in the control unit and to transmit functions of control unit.

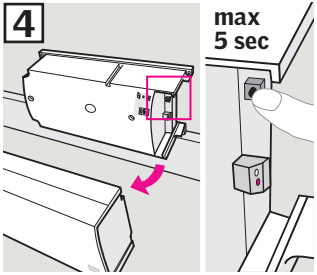
4 When the first electrical product runs briefly back and forth, configure the product(s) in the keypad by pressing any operation key for max 2 seconds. LED flashes green slowly for a few seconds.

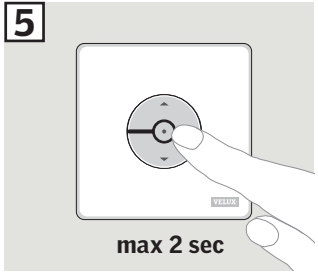
When configuration has been completed, LED is green for 4 seconds.
If configuration has failed, LED is red for 4 seconds.











Configuring control keypad KLI 110 in addition to existing control keypad KLI 110

1 Disconnect all products that are not to be controlled by control keypad KLI 110 from control unit KLC 500.

2 Transmit system from existing keypad by pressing the PRG button for 3-4 seconds. LED flashes green slowly.

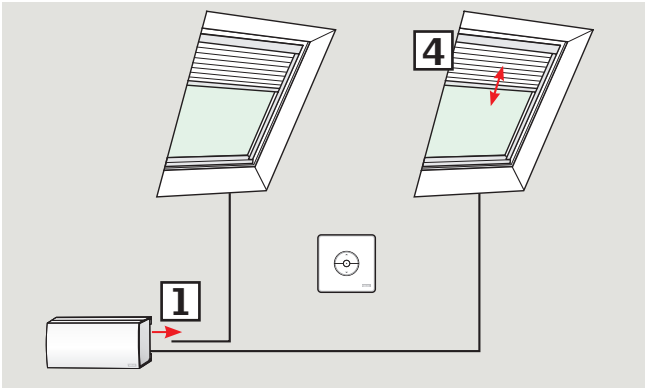
3 Press PRG button on additional control keypad KLI 110 for max 2 seconds to receive system from existing keypad in the new keypad. Reception can take up to 2 minutes. LED flashes green slowly.

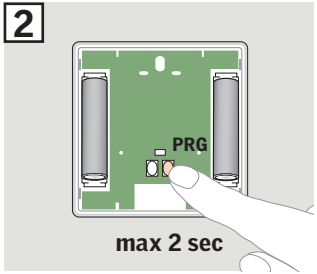
4 Remove cover from control unit. When LED in additional keypad flashes green quickly, press test button in control unit for max 5 seconds to receive system from keypad in the control unit and to transmit functions of control unit.

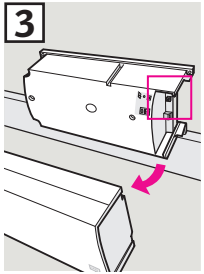
5 When the first electrical product runs briefly back and forth, configure the product(s) in the additional keypad by pressing any operation key for max 2 seconds. LED flashes green slowly for a few seconds.

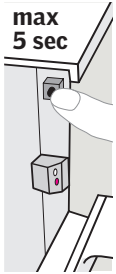
When configuration has been completed, LED is green for 4 seconds. If configuration has failed, LED is red for 4 seconds.

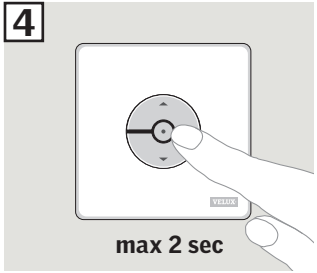
Note: For configuration of control keypad KLI 110 in addition to existing interface KLF 100, please refer to instructions provided with the interface.











Removing/adding electrical products connected to control unit KLC 500 from/to control keypad KLI 110

1 Disconnect all electrical products and reconnect only products to be removed from/added to control keypad KLI 110.
Complete item 2 within 10 minutes from reconnection.

2 Remove/add control and transmit functions by pressing PRG button in keypad for max 2 seconds. This procedure can take up to 2 minutes. LED flashes green slowly.

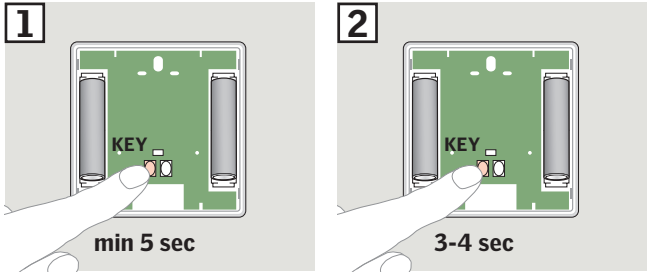
3 Remove cover from control unit. When LED in keypad flashes green quickly, press test button in control unit for max 5 seconds to receive system in the control unit and to transmit function from control unit.

4 When the first electrical product runs briefly back and forth, configure the product(s) in the keypad by pressing any operation key for max 2 seconds. LED flashes green slowly for a few seconds.

The product can now be controlled by control keypad KLI 110.

When configuration has been completed, LED is green for four seconds. If configuration has failed, LED is red for four seconds.

Note: For electrical products controlled by a remote control KLR 100, please refer to the user manual for KLR 100.



Changing security key

The security key of the system must be changed if security may have been compromised, eg if a remote control is missing. The security key is changed in one control keypad only and then transferred to the remaining keypads/remote controls in the system.

1 Press KEY button in one control keypad KLI 110 for at least 5 seconds to change security key. LED flashes red and green quickly. When security key has been changed, LED is green for 4 seconds. If change of security key failed, LED is red for 4 seconds.

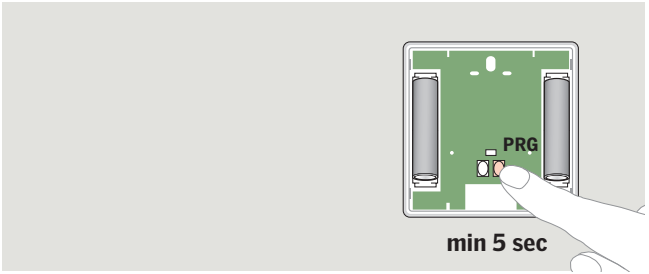
2 Press KEY button in the same keypad for 3-4 seconds to transmit new security key. LED flashes green slowly.

3 Other control keypads KLI 110 in the system: Press KEY button for max 2 seconds to receive new security key in the keypad. Reception can take up to 2 minutes. LED flashes green slowly for a few seconds.

Repeat items 2 and 3 for each of the remaining keypads/remote controls in the system to transfer the new security key.

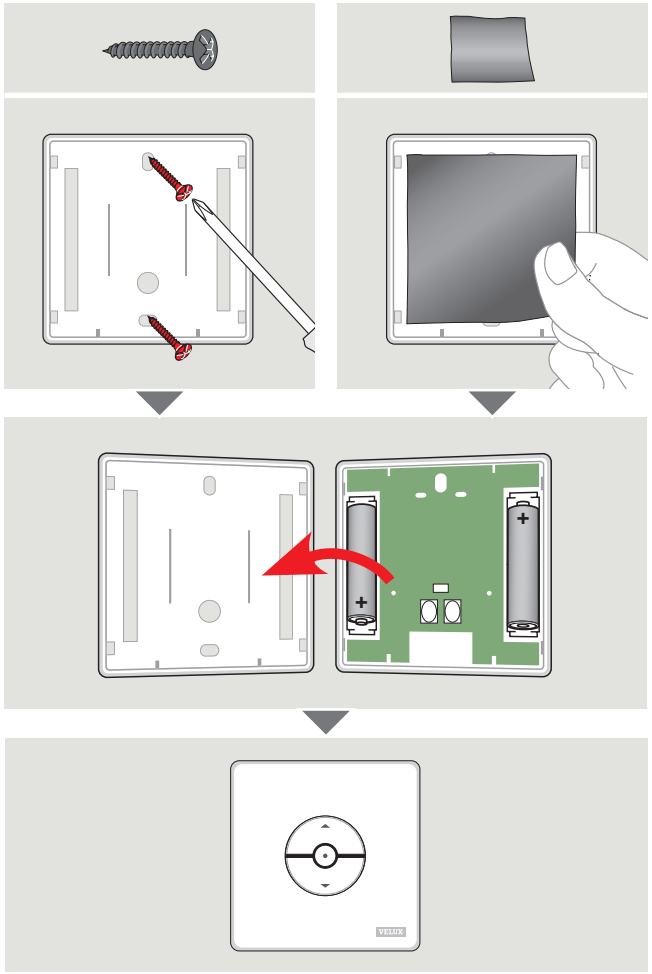
Note: If the system includes remote control(s) KLR 100, receive new security key in the remote control as described in the user manual for KLR 100.

When security key has been transferred, LED is green for 4 seconds. If transfer of security key has failed, LED is red for 4 seconds.



Resetting

The control keypad KLI 110 can be reset to its initial factory settings. Press PRG button for at least 5 seconds. LED flashes red quickly. When resetting has been completed, LED is red for 4 seconds.



Installation

Fix keypad to wall with screws or double-sided adhesive tape.

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